

IN THE CLAIMS

1-16. (canceled).

17. (currently amended) An unauthorized-operation-judgment system for determining whether an operation received by a computer is an unauthorized operation, comprising:

an operation-receiver that receives instruction data for ~~executing~~ causing said computer to execute said operation;

a first profile-creator that creates a first profile from said instruction data, wherein said first profile is at least partially representative of said operation ~~related to the operation for which instruction data was received by said computer;~~

a first profile-storer that stores said first profile that was created by said first profile-creator;

a second profile-creator that identifies a user that executed said operation by said instruction data, and that creates a second profile related to the operation executed by said user;

a second profile-storer that stores, according to a user account, said second profiles created by said second profile-creator; and

a score-calculator that compares said instruction data with at least one profile that is stored in said first profile-storer or in said second profile-storer, and that calculates a score for determining whether said operation is an unauthorized operation, wherein said score-calculator compares said instruction data with said first profile when said instruction data is received while said computer is not logged into a said user account, and wherein the score-calculator compares said instruction data with at least said second profile corresponding to said user account when said instruction data is received while said computer is logged into said user account.

18. (currently amended) The unauthorized-operation-judgment system of claim 17 further comprising:

a first log-data-storer for storing log data ~~of~~ related to said operation received by said computer; and

a second log-data-storer for storing log data according to a user of said computer;

wherein

said first profile-creator references said first log-data-storer when creating said first profile; and

said second profile-creator references said second log-data-storer when creating said second profile.

19. (currently amended) The unauthorized-operation-judgment system of claim 17 further comprising:

a login-detector for executing a process for detecting whether a certain user is logged into said computer;

wherein when said login-detector detects that a certain user is logged in, said second profile-creator creates a said second profile related to said user.

20. (previously presented) The unauthorized-operation-judgment system of claim 19, wherein said login-detector executes detection processing at specified intervals while said computer is in operation.

21. (previously presented) The unauthorized-operation-judgment system of claim 19, wherein when said login-detector does not detect that a certain user is logged in even though detection processing is executed,

said first profile-creator creates a first profile related to said computer.

22. (previously presented) The unauthorized-operation-judgment system of claim 21, wherein said login-detector executes detection processing at specified intervals while said computer is in operation.

23. (previously presented) The unauthorized-operation-judgment system of claim 17 further comprising:

a third profile-creator for creating a third profile related to an operation executed by a user that is identified as a first-time user, when the user executing said operation by said instruction data is identified as a first-time user operating said computer for the first time; and

a third profile-storer for storing third profiles that are created by said third profile-creator;

wherein said score-calculator uses at least one profile that is stored in said third profile-storer instead of said second profile-storer to determine whether said operation is an unauthorized operation.

24. (previously presented) The unauthorized-operation-judgment system of claim 23 further comprising:

an operation-record-storer for storing, according to user, totals related to at least one of the following: number of logins to said computer, operation time that said computer has been operated, or number of days said computer has been operated; and

a first-time-user-judgment mechanism for referencing said operation-record-storer, and determining that a user executing said operation is a first-time user using said computer for the first time when said totals do not satisfy preset reference values; and

wherein

said third profile-creator creates a third profile for an operation executed by a user that is determined to be a first-time user by said first-time-user-judgment mechanism; and

said score-calculator uses at least one profile stored in said third profile-storer when said first-time-user-judgment mechanism determines that a user is a first-time user to determine whether said operation is an unauthorized operation.

25. (previously presented) The unauthorized-operation-judgment system of claim 17, wherein

said score-calculator calculates a score by calculating a deviation between said instruction data and data that is stored in said profiles.

26. (previously presented) The unauthorized-operation-judgment system of claim 17, further comprising:

an operation-stopper for executing a process for stopping said operation when said score value exceeds a reference value.

27. (previously presented) The unauthorized-operation-judgment system of claim 17, further comprising:

a warning-process for executing a process for displaying a warning on an operation screen of said computer, or generating a warning alarm on said computer, when said score exceeds a reference value.

28. (previously presented) The unauthorized-operation-judgment system of claim 17, further comprising:

a warning-notification-transmitter for sending a notification warning to an administration server operated by an administrator of said computer that there is a possibility of an unauthorized operation, when said score exceeds a reference value.

29. (currently amended) An unauthorized-operation-judgment method for determining whether an operation received by a computer is an unauthorized operation, comprising:

receiving, by said computer, instruction data to cause said computer to execute said operation;

creating, by said computer, a first profile from said instruction data related to the operation for which instruction data was received by said computer, wherein the first profile includes operations not identified with users;

storing, by said computer, said first profile in a first profile-storage unit;

identifying, by said computer, a user that executed said operation by said instruction data;

creating, by said computer, a second profile related to the operation executed by said user, wherein the second profile includes only operations identified with users;

storing, by said computer, said second profile in a second profile-storage unit according to a user account;

comparing, by said computer, said instruction data with said first profile when said instruction data is received while said computer is not logged into a user account, and comparing said instruction data with at least said second profile corresponding to said user account when said instruction data is received while said computer is logged into said user account; and

calculating, by said computer, a score for determining whether said operation is an unauthorized operation.

30-32. (canceled)

33. (previously presented) The unauthorized-operation-judgment method of claim 29 further comprising executing a process for detecting whether a certain user is logged into said computer, wherein when a certain user is



detected as being logged in to said computer, said creating of a second profile comprises creating said second profile related to said certain user.

34. (previously presented) The unauthorized-operation-judgment method of claim 33, wherein when a certain user is not detected as being logged in even though detection processing is executed, said creating of a first profile comprises creating said first profile related to said computer.

35. (previously presented) The unauthorized-operation-judgment method of claim 34, wherein said detection processing is executed at specified intervals while said computer is in operation.

36-38. (canceled)

39. (new) A computer readable storage medium having unauthorized-operation-judgment program code stored thereon, wherein the unauthorized-operation-judgment program code, when executed by a computer, determines whether an operation to be performed by a computer is an

unauthorized operation, and wherein the unauthorized-operation-judgment program code, when executed, performs to the following functions:

receiving instruction data that commands execution of said operation, wherein said operation includes power on of a computer;

creating a first profile from said instruction data, wherein said first profile is at least partially representative of said operation;

storing said first profile in a first profile-storage unit;

identifying a user who commands execution of said operation corresponding to said instruction data, wherein said user is associated with a user account;

creating a second profile related to said operation commanded by said user;

storing said second profile in a second profile-storage unit according to said user account;

comparing said instruction data with at least said first profile when said instruction data is received while said computer is not logged into a user account;

comparing said instruction data with at least said second profile corresponding to said user account when

said instruction data is received while said computer is logged into said user account; and,

calculating a score based on said comparisons, wherein the score is useful in determining whether said operation is an unauthorized operation.

40. (new) The computer readable storage medium of claim 39 wherein said unauthorized-operation-judgment program code, when executed, performs to the following further functions:

detecting whether a certain user is logged into said computer; and,

creating a second profile related to said certain user when the certain user is detected as being logged into said computer.

41. (new) The computer readable storage medium of claim 40 wherein said unauthorized-operation-judgment program code, when executed, performs to the following further function:

creating the first profile related to said computer when the certain user is not detected as being logged in even though detection function is executed.

42. (new) The computer readable storage medium of claim 41 wherein said unauthorized-operation-judgment program code, when executed, performs to the following further function:

executing said detection function at specified intervals while said computer is in operation.